

Project Title:	BPA, Phthalates & Stress: Mechanisms and Interactions for Childhood Obesity
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Institution:	Columbia University Health Sciences
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Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
A multimodal imaging workflow to visualize metal mixtures in the human placenta and explore colocalization.	Niedzwiecki, Megan M; Austin, Christine; Remark, Romain; Merad, Miriam; Gnijatic, Sacha; Estrada-Gutierrez, Guadalupe; Espejel-Nuñez, Aurora; Borboa-Olivares, Hector; Guzman-Huerta, Mario; Wright, Rosalind J; Wright, Robert O; Arora, Manish	Metalomics (2016 Apr)	8 / 444-52	PubMed Citation
Altered miRNA expression in the cervix during pregnancy associated with lead and mercury exposure.	Sanders, Alison P; Burris, Heather H; Just, Allan C; Motta, Valeria; Amarasiwardena, Chitra; Svensson, Katherine; Oken, Emily; Solano-Gonzalez, Maritsa; Mercado-Garcia, Adriana; Pantic, Ivan; Schwartz, Joel; Tellez-Rojo, Martha M; Baccarelli, Andrea A; Wright, Robert O	Epigenomics (2015)	7 / 885-96	PubMed Citation
An epigenetic clock for gestational age at birth based on blood methylation data.	Knight, Anna K; Craig, Jeffrey M; Theda, Christiane; Bækvad-Hansen, Marie; Bybjerg-Grauholt, Jonas; Hansen, Christine S; Hollegaard, Mads V; Hougaard, David M; Mortensen, Preben B; Weinsheimer, Shantel	Genome Biol (2016 Oct 07)	17 / 206	PubMed Citation

	M; Werge, Thomas M; Brennan, Patricia A; Cubells, Joseph F; Newport, D Jeffrey; Stowe, Zachary N; Cheong, Jeanie L Y; Dalach, Philippa; Doyle, Lex W; Loke, Yuk J; Baccarelli, Andrea A; Just, Allan C; Wright, Robert O; Téllez-Rojo, Mara M; Svensson, Katherine; Trevisi, Letizia; Kennedy, Elizabeth M; Binder, Elisabeth B; Iurato, Stella; Czamara, Darina; Räikkönen, Katri; Lahti, Jari M T; Pesonen, Anu-Katriina; Kajantie, Eero; Villa, Pia M; Laivuori, Hannele; Hämäläinen, Esa; Park, Hea Jin; Bailey, Lynn B; Parets, Sasha E; Kilaru, Varun; Menon, Ramkumar; Horvath, Steve; Bush, Nicole R; LeWinn, Kaja Z; Tylavsky, Frances A; Conneely, Karen N; Smith, Alicia K		
Association between length of gestation and cervical DNA methylation of PTGER2 and LINE 1-HS.	Burris, Heather H; Baccarelli, Andrea A; Motta, Valeria; Byun, Hyang-Min; Just, Allan C; Mercado-Garcia, Adriana; Schwartz, Joel; Svensson, Katherine; Téllez-Rojo, Martha M; Wright, Robert O	Epigenetics (2014 Aug)	9 / 1083-91 PubMed Citat
Associations of iron metabolism genes with blood manganese levels: a population-based study with val ...	Claus Henn, Birgit; Kim, Jonghan; Wessling-Resnick, Marianne; Tellez-Rojo, Martha Maria; Jayawardene, Innocent; Ettinger, Adrienne S; Hernandez-Avila, Mauricio; Schwartz, Joel; Christiani, David C; Hu, Howard; Wright, Robert O	Environ Health (2011)	10 / 97 PubMed Citat

Associations of prenatal maternal blood mercury concentrations with early and mid-childhood blood pr ...	Kalish, Brian T; Riffas-Shiman, Sheryl L; Wright, Robert O; Amarasiriwardena, Chitra J; Jayawardene, Innocent; Gillman, Matthew W; Lipshultz, Steven E; Oken, Emily	Environ Res	133 / 327-33	PubMed Citat
Bayesian kernel machine regression for estimating the health effects of multi-pollutant mixtures.	Bobb, Jennifer F; Valeri, Linda; Claus Henn, Birgit; Christiani, David C; Wright, Robert O; Mazumdar, Maitreyi; Godleski, John J; Coull, Brent A	Biostatistics	16 / 493-508	PubMed Citat
Cardiac autonomic dysfunction: particulate air pollution effects are modulated by epigenetic immunor ...	Zhong, Jia; Colicino, Elena; Lin, Xinyi; Mehta, Amar; Kloog, Itai; Zanobetti, Antonella; Byun, Hyang-Min; Bind, Marie-Abèle; Cantone, Laura; Prada, Diddier; Tarantini, Letizia; Trevisi, Letizia; Sparrow, David; Vokonas, Pantel; Schwartz, Joel; Baccarelli, Andrea A	J Am Heart Assoc	4 / e001423	PubMed Citat
Correlation of global and gene-specific DNA methylation in maternal-infant pairs.	Kile, Molly L; Baccarelli, Andrea; Tarantini, Letizia; Hoffman, Elaine; Wright, Robert O; Christiani, David C	PLoS One	5 / e13730	PubMed Citat
Developmental Origins of Common Disease: Epigenetic Contributions to Obesity.	Kappil, Maya; Wright, Robert O; Sanders, Alison P	Annu Rev Genomics Hum Genet	17 / 177-92	PubMed Citat
Disrupted prenatal maternal cortisol, maternal obesity, and childhood wheeze. Insights into prenatal ...	Wright, Rosalind J; Fisher, Kate; Chiu, Yueh-Hsiu Mathilda; Wright, Robert O; Fein, Rebecca; Cohen, Sheldon; Coull, Brent A	Am J Respir Crit Care Med	187 / 1186-93 Jun 1)	PubMed Citat
Environmental epigenetics: from novelty to scientific discipline.	Burris, Heather H; Baccarelli, Andrea A	J Appl Toxicol	34 / 113-6	PubMed Citat
Epigenetic effects of low perinatal doses of flame retardant BDE-47 on mitochondrial and nuclear gen ...	Byun, Hyang-Min; Benachour, Nora; Zalko, Daniel; Frisardi, Maria Chiara; Colicino, Elena; Takser, Larissa; Baccarelli, Andrea A	Toxicology	328 / 152-9	PubMed Citat

Epigenetics-a potential mediator between air pollution and preterm birth.	Lin, Vania W; Baccarelli, Andrea A; Burris, Heather H	Environ Epigenet (2016 Jan)	2 /	PubMed Citat
Epigenetics: linking social and environmental exposures to preterm birth.	Burris, Heather H; Baccarelli, Andrea A; Wright, Robert O; Wright, Rosalind J	Pediatr Res (2016 Jan)	79 / 136-40	PubMed Citat
Estimating and testing high-dimensional mediation effects in epigenetic studies.	Zhang, Haixiang; Zheng, Yinan; Zhang, Zhou; Gao, Tao; Joyce, Brian; Yoon, Grace; Zhang, Wei; Schwartz, Joel; Just, Allan; Colicino, Elena; Vokonas, Pantel; Zhao, Lihui; Lv, Jinchi; Baccarelli, Andrea; Hou, Lifang; Liu, Lei	Bioinformatics	32 / 3150-3154	PubMed Citat
Fetal growth restriction and methylation of growth-related genes in the placenta.	Xiao, Xirong; Zhao, Yan; Jin, Rong; Chen, Jiao; Wang, Xiu; Baccarelli, Andrea; Zhang, Yunhui	Epigenomics	8 / 33-42	PubMed Citat
Identifying sensitive windows for prenatal particulate air pollution exposure and mitochondrial DNA ...	Rosa, Maria José; Just, Allan C; Guerra, Marco Sánchez; Kloog, Itai; Hsu, Hsiao-Hsien Leon; Brennan, Kasey J; García, Adriana Mercado; Coull, Brent; Wright, Rosalind J; Téllez Rojo, Martha María; Baccarelli, Andrea A; Wright, Robert O	Environ Int	98 / 198-203	PubMed Citat
Lead exposure induces changes in 5-hydroxymethylcytosine clusters in CpG islands in human embryonic ...	Sen, Arko; Cingolani, Pablo; Senut, Marie-Claude; Land, Susan; Mercado-Garcia, Adriana; Tellez-Rojo, Martha M; Baccarelli, Andrea A; Wright, Robert O; Ruden, Douglas M	Epigenetics	10 / 607-21	PubMed Citat
Mercury and psychosocial stress exposure interact to predict maternal diurnal cortisol during pregna ...	Schreier, Hannah M C; Hsu, Hsiao-Hsien; Amarasiwardena, Chitra; Coull, Brent A; Schnaas, Lourdes; Téllez-Rojo, Martha María; Tamayo y Ortiz, Marcela; Wright, Rosalind J; Wright,	Environ Health	14 / 28	PubMed Citat

	Robert O			
microRNA expression in the cervix during pregnancy is associated with length of gestation.	Sanders, Alison P; Burris, Heather H; Just, Allan C; Motta, Valeria; Svensson, Katherine; Mercado-Garcia, Adriana; Pantic, Ivan; Schwartz, Joel; Tellez-Rojo, Martha M; Wright, Robert O; Baccarelli, Andrea A	Epigenetics (2015)	10 / 221-8	PubMed Citat
Multivariate Bayesian variable selection exploiting dependence structure among outcomes: Application ...	Lee, Kyu Ha; Tadesse, Mahlet G; Baccarelli, Andrea A; Schwartz, Joel; Coull, Brent A	Biometrics (2016 / Jul 5)		PubMed Citat
Offspring DNA methylation of the aryl-hydrocarbon receptor repressor gene is associated with materna ...	Burris, Heather H; Baccarelli, Andrea A; Byun, Hyang-Min; Cantoral, Alejandra; Just, Allan C; Pantic, Ivan; Solano-Gonzalez, Maritsa; Svensson, Katherine; Tamayo y Ortiz, Marcela; Zhao, Yan; Wright, Robert O; Téllez-Rojo, Martha M	Epigenetics (2015)	10 / 913-21	PubMed Citat
Particulate Air Pollution and Fasting Blood Glucose in Nondiabetic Individuals: Associations and Epi ...	Peng, Cheng; Bind, Marie-Abele C; Colicino, Elena; Kloog, Itai; Byun, Hyang-Min; Cantone, Laura; Trevisi, Letizia; Zhong, Jia; Brennan, Kasey; Dereix, Alexandra E; Vokonas, Pantel S; Coull, Brent A; Schwartz, Joel D; Baccarelli, Andrea A	Environ Health Perspect (2016 Nov)	124 / 1715-1721	PubMed Citat
Perinatal and Childhood Exposure to Cadmium, Manganese, and Metal Mixtures and Effects on Cognition ...	Sanders, Alison P; Claus Henn, Birgit; Wright, Robert O	Curr Environ Health Rep (2015 Sep)	2 / 284-94	PubMed Citat
Phthalate exposure and children's health.	Braun, Joseph M; Sathyarayana, Sheela; Hauser, Russ	Curr Opin Pediatr (2013 Apr)	25 / 247-54	PubMed Citat
Placental mitochondrial methylation and exposure to airborne particulate matter in the early life en ...	Janssen, Bram G; Byun, Hyang-Min; Gyselaers, Wilfried; Lefebvre, Wouter; Baccarelli, Andrea A; Nawrot, Tim S	Epigenetics (2015)	10 / 536-44	PubMed Citat

Prenatal exposure to mixtures of xenoestrogens and repetitive element DNA methylation changes in hum ...	Vilahur, Nadia; Bustamante, Mariona; Byun, Hyang-Min; Fernandez, Mariana F; Santa Marina, Loreto; Basterrechea, Mikel; Ballester, Ferran; Murcia, Mario; Tardón, Adonina; Fernández-Somoano, Ana; Estivill, Xavier; Olea, Nicolas; Sunyer, Jordi; Baccarelli, Andrea A	Environ Int (2014 Oct)	71 / 81-7	PubMed Citat
Prenatal lead exposure and fetal growth: Smaller infants have heightened susceptibility.	Rodosthenous, Rodosthenis S; Burris, Heather H; Svensson, Katherine; Amarasiriwardena, Chitra J; Cantoral, Alejandra; Schnaas, Lourdes; Mercado-García, Adriana; Coull, Brent A; Wright, Robert O; Téllez-Rojo, Martha M; Baccarelli, Andrea A	Environ Int (2016 Dec 03)	/	PubMed Citat
Prenatal Lead Exposure Modifies the Impact of Maternal Self-Esteem on Children's Inattention Behavio ...	Xu, Jian; Hu, Howard; Wright, Rosalind; Sánchez, Brisa N; Schnaas, Lourdes; Bellinger, David C; Park, Sung Kyun; Martínez, Sandra; Hernández-Avila, Mauricio; Téllez-Rojo, Martha Maria; Wright, Robert O	J Pediatr (2015 Aug)	167 / 435-41	PubMed Citat
Prenatal Particulate Air Pollution and Asthma Onset in Urban Children. Identifying Sensitive Windows ...	Hsu, Hsiao-Hsien Leon; Chiu, Yueh-Hsiu Mathilda; Coull, Brent A; Kloog, Itai; Schwartz, Joel; Lee, Alison; Wright, Robert O; Wright, Rosalind J	Am J Respir Crit Care Med (2015 Nov 01)	192 / 1052-9	PubMed Citat
Racial/ethnic and sociodemographic factors associated with micronutrient intakes and inadequacies am ...	Brunst, Kelly J; Wright, Robert O; DiGioia, Kimberly; Enlow, Michelle Bosquet; Fernandez, Harriet; Wright, Rosalind J; Kannan, Srimathi	Public Health Nutr (2014 Sep)	17 / 1960-70	PubMed Citat

Reconstructing pre-natal and early childhood exposure to multi-class organic chemicals using teeth: ...	Andra, Syam S; Austin, Christine; Wright, Robert O; Arora, Manish	Environ Int (2015 Oct)	83 / 137-45	PubMed Citat
Relationships between lead biomarkers and diurnal salivary cortisol indices in pregnant women from M ...	Braun, Joseph M; Wright, Rosalind J; Just, Allan C; Power, Melinda C; Tamayo Y Ortiz, Marcela; Schnaas, Lourdes; Hu, Howard; Wright, Robert O; Tellez-Rojo, Martha Maria	Environ Health (2014)	13 / 50	PubMed Citat
The association of lead exposure during pregnancy and childhood anthropometry in the Mexican PROGRES ...	Renzetti, Stefano; Just, Allan C; Burris, Heather H; Oken, Emily; Amarasirivardena, Chitra; Svensson, Katherine; Mercado-García, Adriana; Cantoral, Alejandra; Schnaas, Lourdes; Baccarelli, Andrea A; Wright, Robert O; Téllez-Rojo, Martha María	Environ Res (2017 Jan)	152 / 226-232	PubMed Citat
The Role of DNA Methylation in Cardiovascular Risk and Disease: Methodological Aspects, Study Design ...	Zhong, Jia; Agha, Golareh; Baccarelli, Andrea A	Circ Res (2016 Jan 8)	118 / 119-31	PubMed Citat
Toddler temperament and prenatal exposure to lead and maternal depression.	Stroustrup, Annemarie; Hsu, Hsiao-Hsien; Svensson, Katherine; Schnaas, Lourdes; Cantoral, Alejandra; Solano González, Maritsa; Torres-Calapiz, Mariana; Amarasirivardena, Chitra; Bellinger, David C; Coull, Brent A; Téllez-Rojo, Martha M; Wright, Robert O; Wright, Rosalind J	Environ Health (2016 Jun 16)	15 / 71	PubMed Citat
Traffic-Related Air Pollution, Blood Pressure, and Adaptive Response of Mitochondrial Abundance.	Zhong, Jia; Cayir, Akin; Trevisi, Letizia; Sanchez-Guerra, Marco; Lin, Xinyi; Peng, Cheng; Bind, Marie-Abèle; Prada, Diddier; Laue, Hannah; Brennan, Kasey J M; Dereix, Alexandra; Sparrow, David; Vokonas, Pantel; Schwartz, Joel;	Circulation (2016 Jan 26)	133 / 378-87	PubMed Citat

Variation of DNA methylation in candidate age-related targets on the mitochondrial-telomere axis in ...

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Janssen, B G; Byun, H M; Cox, B; Gyselaers, W; Izzi, B; Baccarelli, A A; Nawrot, T S

Placenta (2014)

35 / 665-72

PubMed Citat

Sep)